We Claim:

1. A vacuum cleaner comprising:

- a) a dirty air inlet and a source of suction to draw air containing particulate matter into the dirty air inlet and produce an air stream in the vacuum cleaner;
- b) a first cyclonic cleaning stage comprising a cyclone having a first cyclonic cleaning stage inlet and a first cyclonic cleaning stage outlet;
- c) a second cyclonic cleaning stage positioned in series with the first cyclonic cleaning stage, the second cyclonic cleaning stage comprising a plurality of second stage cyclones, each of the second stage cyclones having a second stage cyclone inlet and a second stage cyclone outlet; and,
- d) a passage connecting the first cyclonic cleaning stage outlet and the second stage cyclone inlets, and the passage is configured to inhibit settling out of particulate matter from the air stream.
- 2. The vacuum cleaner as claimed in claim 1 wherein the second stage cyclones at least partially surround the passage.
- 3. The vacuum cleaner as claimed in 1 wherein the passage is at least partially defined by the second stage cyclones.
 - 4. The vacuum cleaner as claimed in claim 1 wherein the passage has a cross sectional area which is approximately the same as the cross sectional area of the first cyclonic cleaning stage outlet.
- 25 5. The vacuum cleaner as claimed in claim 1 wherein the passage is substantially free of horizontal spaces that are transverse to the direction of fluid flow through the passage.

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- 6. The vacuum cleaner as claimed in claim 1 wherein the passage is substantially free of any dead air spaces.
- 7. The vacuum cleaner as claimed in claim 1 wherein the passage is substantially free of regions that are adapted to separate particulate matter from the air stream.
- 8. The vacuum cleaner as claimed in claim 1 wherein the passage is defined by a single conduit.

9. A vacuum cleaner comprising:

- a) a dirty air inlet and a source of suction to draw air containing particulate matter into the dirty air inlet and produce an air stream in the vacuum cleaner;
- b) a first cyclonic cleaning stage comprising a cyclone having a first cyclonic cleaning stage inlet and a first cyclonic cleaning stage outlet;
- c) a second cyclonic cleaning stage positioned in series with the first cyclonic cleaning stage, the second cyclonic cleaning stage comprising a plurality of second stage cyclones, each of the second stage cyclones having a second stage cyclone inlet and a second stage cyclone outlet; and,
- d) a passage extending from the first cyclonic cleaning stage outlet to the second stage cyclone inlets, and the passage is substantially free of any dead air spaces.
- 10. The vacuum cleaner as claimed in claim 9 wherein the second stage cyclones at least partially surround the passage.
- The vacuum cleaner as claimed in claim 9 wherein the passage is at least partially defined by the second stage cyclones.

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- 12. The vacuum cleaner as claimed in claim 9 wherein the passage has a cross sectional area which is approximately the same as the cross sectional area of the first cyclonic cleaning stage outlet.
- 13. The vacuum cleaner as claimed in claim 9 wherein the passage is substantially free of horizontal spaces that are transverse to the direction of fluid flow through the passage.
 - 14. The vacuum cleaner as claimed in claim 9 wherein the passage is substantially free of regions that are adapted to separate particulate matter from the air stream.
- 15. The vacuum cleaner as claimed in claim 9 wherein the passage is defined by a single conduit.
 - 16. A vacuum cleaner comprising:
 - a) a dirty air inlet and a source of suction to draw air containing particulate matter into the dirty air inlet and produce an air stream in the vacuum cleaner;
 - b) a first cyclonic cleaning stage comprising a cyclone having a first cyclonic cleaning stage inlet and a first cyclonic cleaning stage outlet;
 - c) a second cyclonic cleaning stage positioned in series with the first cyclonic cleaning stage, the second cyclonic cleaning stage comprising a plurality of second stage cyclones, each of the second stage cyclones having a second stage cyclone inlet and a second stage cyclone outlet; and,
 - d) a conduit extending from the first cyclonic cleaning stage outlet to the second stage cyclone inlets.
 - 17. The vacuum cleaner as claimed in claim 16 wherein the second stage cyclones at least partially surround the passage.

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- 18. The vacuum cleaner as claimed in claim 16 wherein the passage is at least partially defined by the second stage cyclones.
- 19. The vacuum cleaner as claimed in claim 16 wherein the passage does not increase in cross sectional area in a downstream direction.
- 20. The vacuum cleaner as claimed in claim 16 wherein the passage has a cross sectional area which is approximately the same as the cross sectional area of the first cyclonic cleaning stage outlet.
- 21. The vacuum cleaner as claimed in claim 16 wherein the passage is substantially free of horizontal spaces that are transverse to the direction of fluid flow through the passage.

- 22. The vacuum cleaner as claimed in claim 16 wherein the passage is substantially free of regions that are adapted to separate particulate matter from the air stream.
- 15 23. The vacuum cleaner as claimed in claim 16 wherein the passage is substantially free of any dead air spaces.